AMENDMENTS TO THE DRAWINGS

Eleven (11) attached sheets of drawings include changes to Figs. 5, 6, 11, 14, 19, 22, 24, 27, 32, 35, and 38. The changes to these Figures are as follows.

Sheet 1 includes Fig. 5 – Please label the ordinate and abscissa of this figure.

Sheet 2 includes Fig. 6 – Please correct the spelling of "Polynomial" and "Determine"

Sheet 3 includes Fig. 11 – Please correct the spelling of "Polynomial" and "Determine"

Sheet 4 includes Fig. 14B – Please correct "does" to -- do --; and "tap" to -- taps --;

Sheet 5 includes Fig. 19B – Please correct "does" to -- do --; and "tap" to -- taps --;

Sheet 6 includes Fig. 22 – Please correct the spelling of "Polynomial" and "Determine"

Sheet 7 includes Fig. 24 – Please correct the spelling of "Polynomial", "Determine", and "Determining";

Sheet 8 includes Fig. 27B – Please correct "does" to -- do --; and "tap" to -- taps --;

Sheet 9 includes Fig. 32B – Please correct "does to -- do --; "transiton" to -- transition --; and "tap" to -- taps --;

Sheet 10 includes Fig. 35 – Please correct the spelling of "Polynomial" and "Determine";

Sheet 11 includes Fig. 38 – Please correct the spelling of "Polynomial" and "Determine";

Attachment: Eleven (11) Replacement sheets

FIG.1

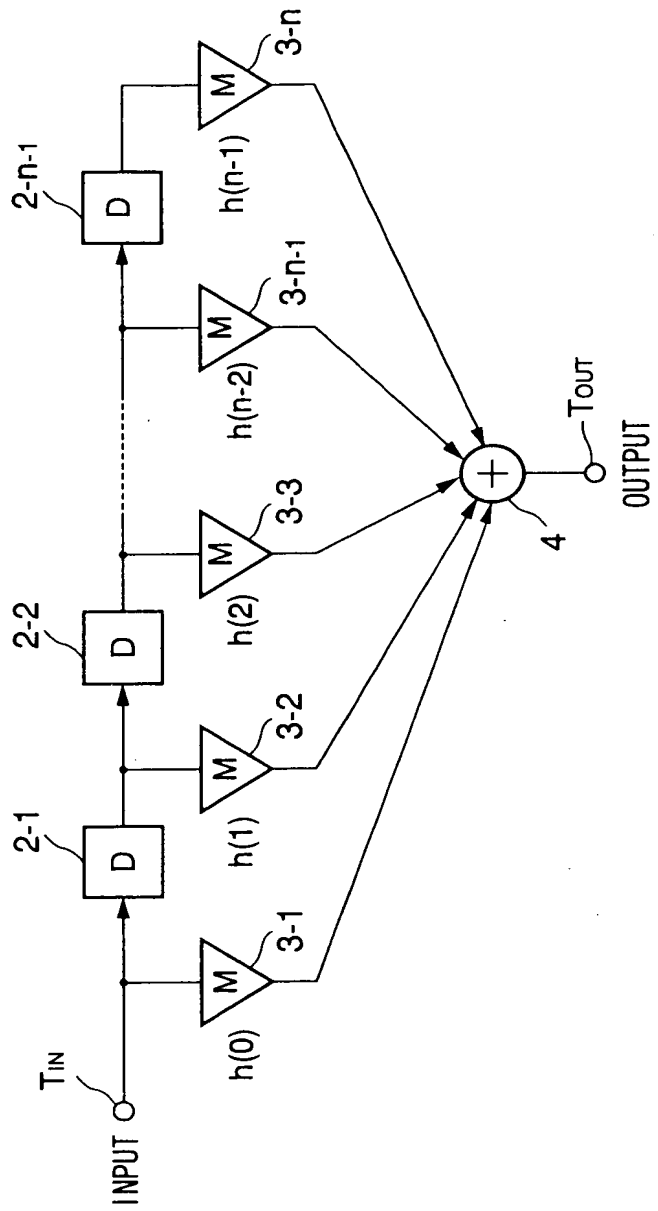


FIG.2A

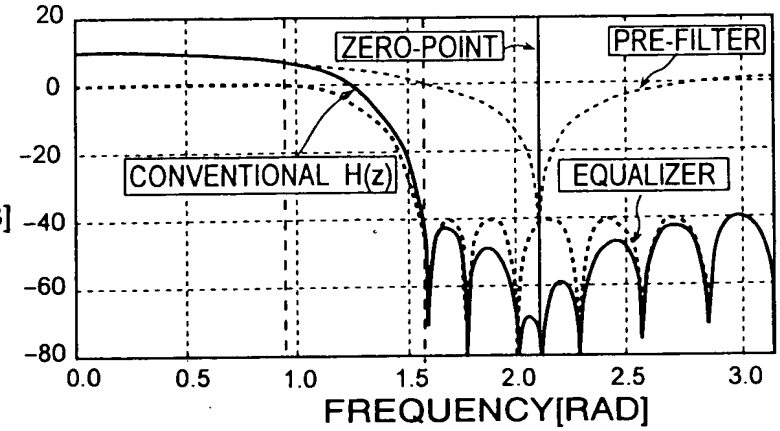


FIG.2B

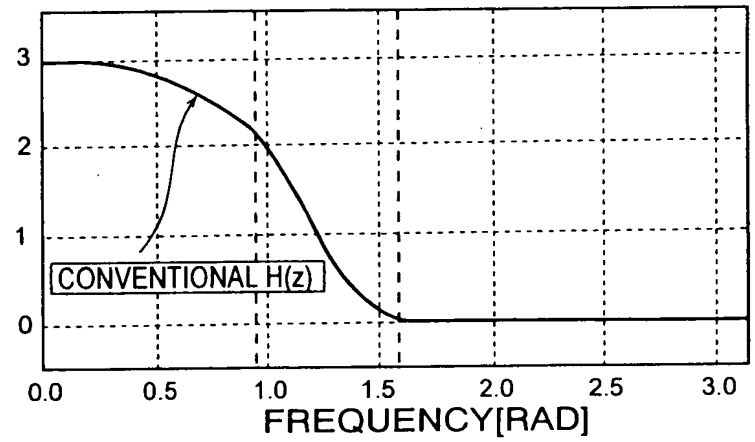


FIG.2C

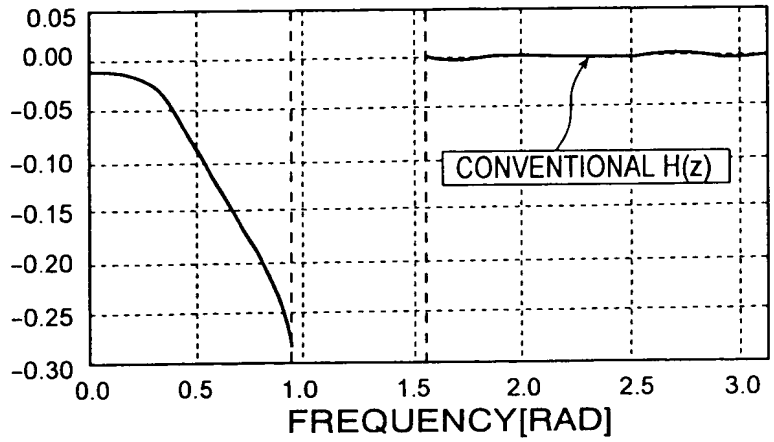
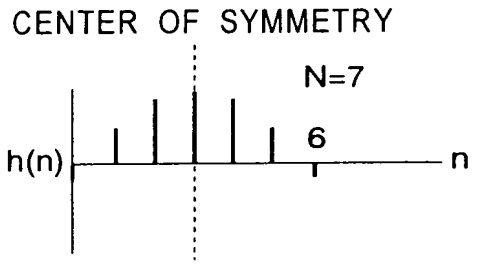
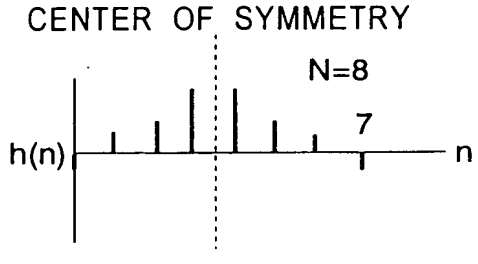


FIG.3A



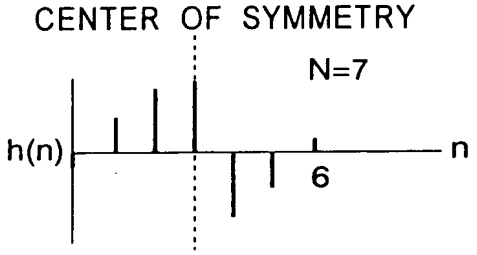
CASE 1: ODD NUMBER TAP, EVEN SYMMETRY

FIG.3B



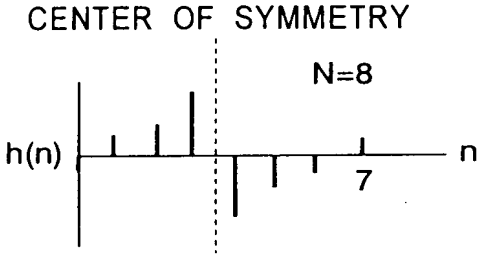
CASE 2: EVEN NUMBER TAP, EVEN SYMMETRY

FIG.3C



CASE 3: ODD NUMBER TAP, ODD SYMMETRY

FIG.3D



CASE 4: EVEN NUMBER TAP, ODD SYMMETRY

FIG.4

CASE	$Q(e^{j\omega})$	R
1	1	(L-1)/2+1
2	$\cos(\omega/2)$	L/2-1+1
3	$\sin(\omega)$	(L-3)/2+1
4	$\sin(\omega/2)$	L/2-1+1

FIG.5

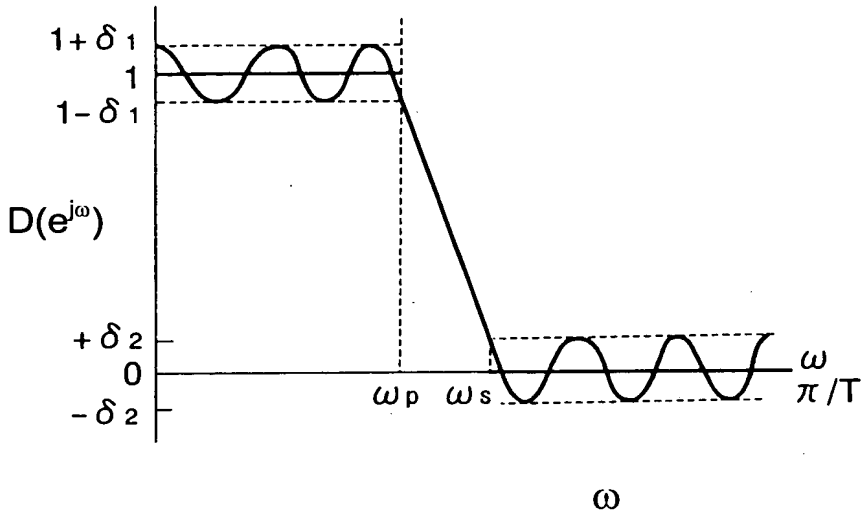


FIG.6

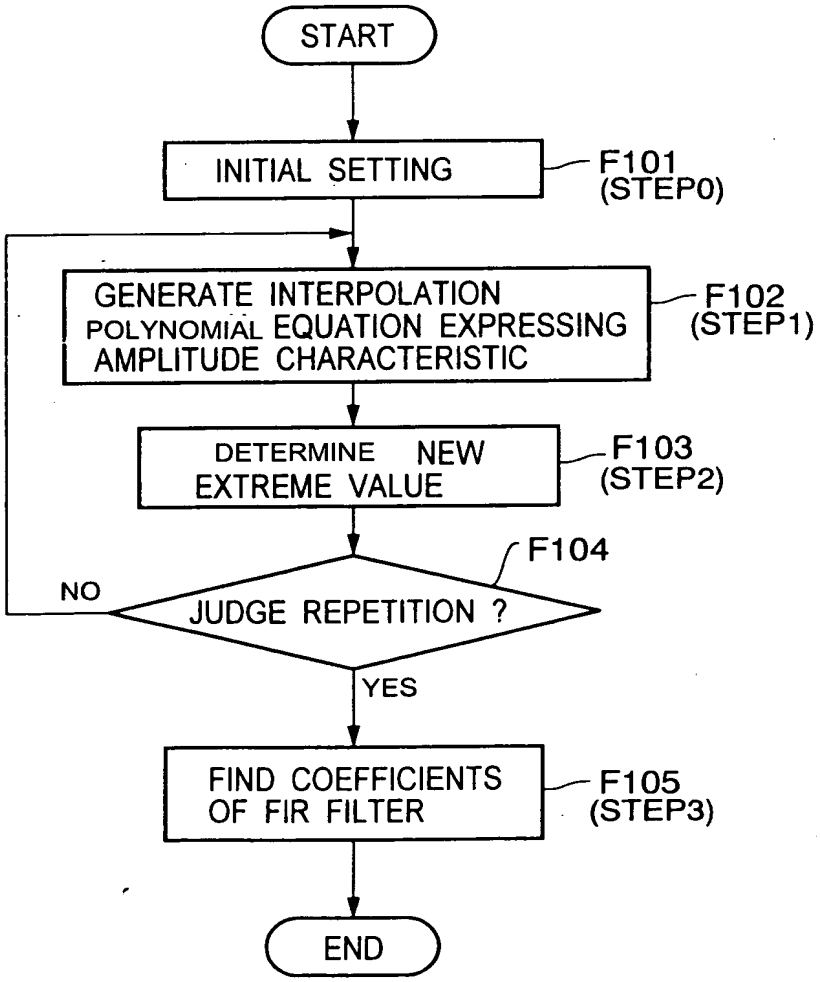


FIG.7A

FIG.7B

FIG.7C

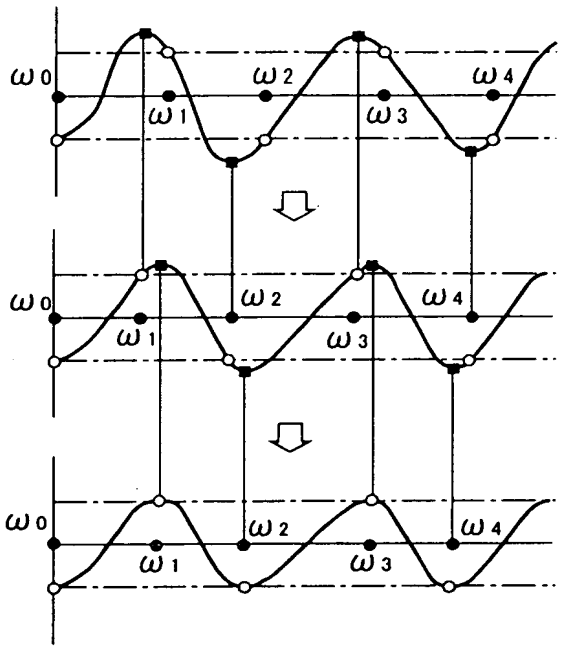


FIG.8

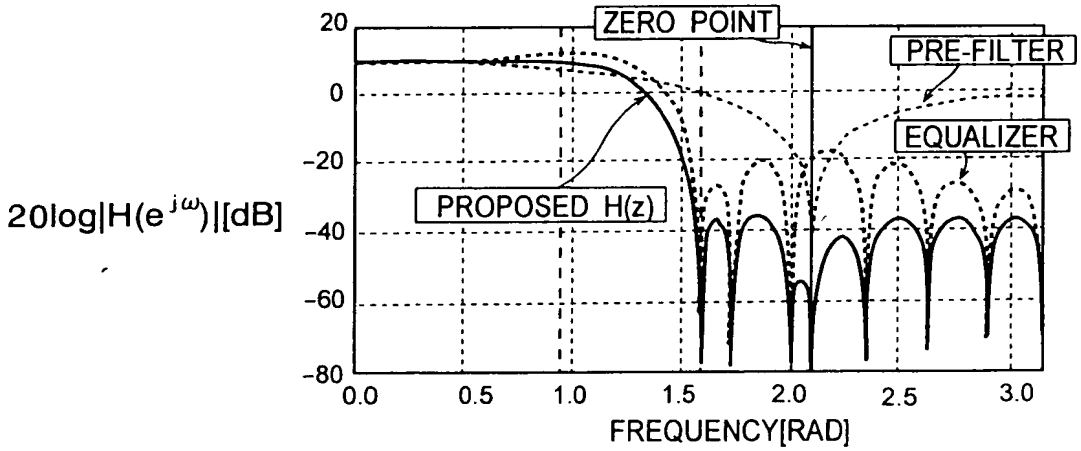


FIG.9A

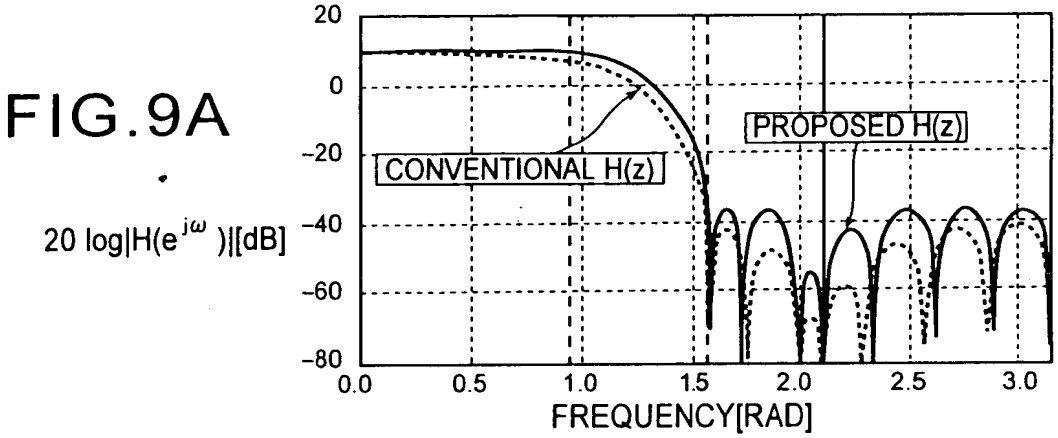


FIG.9B

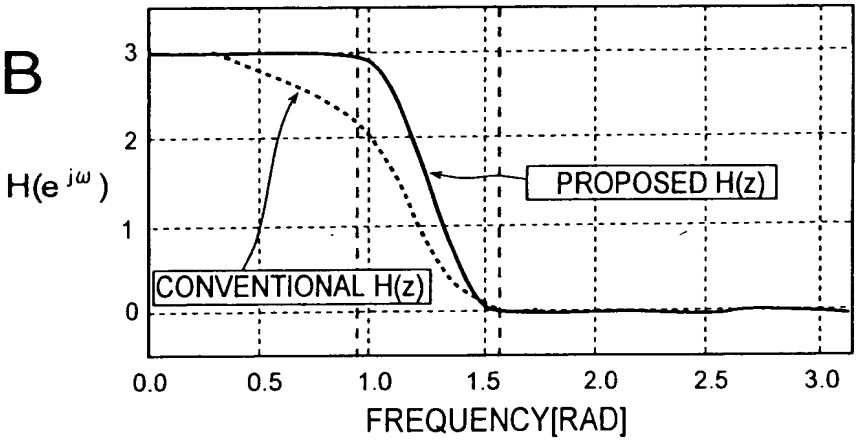


FIG.10

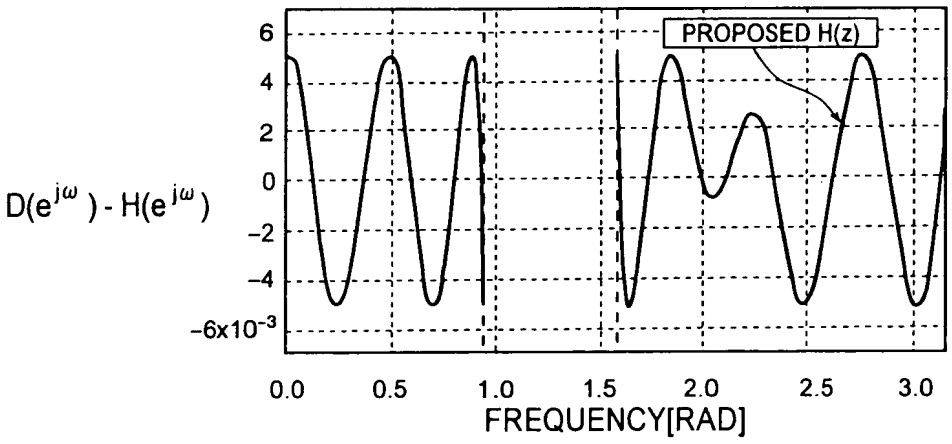


FIG.11

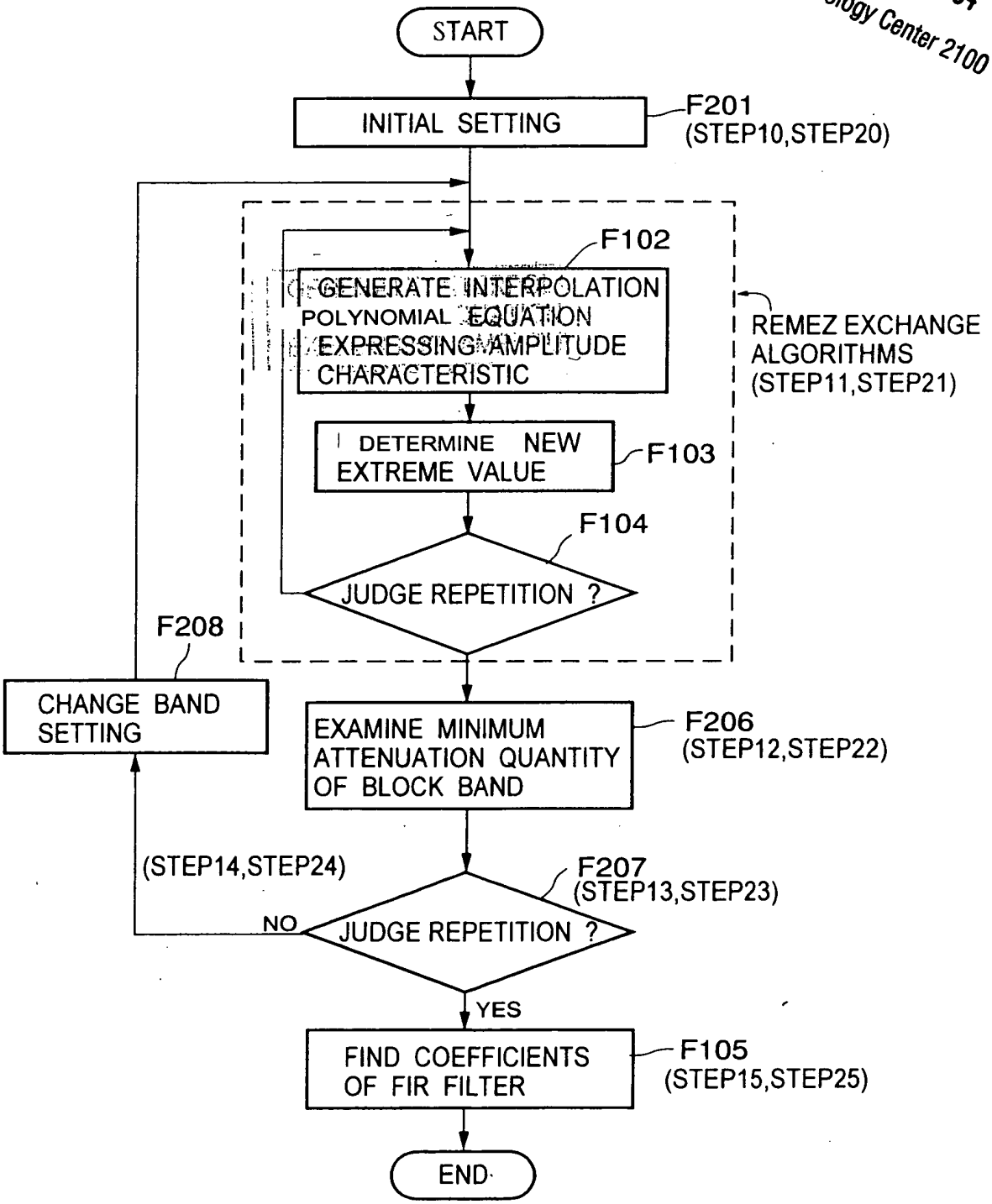


FIG.12

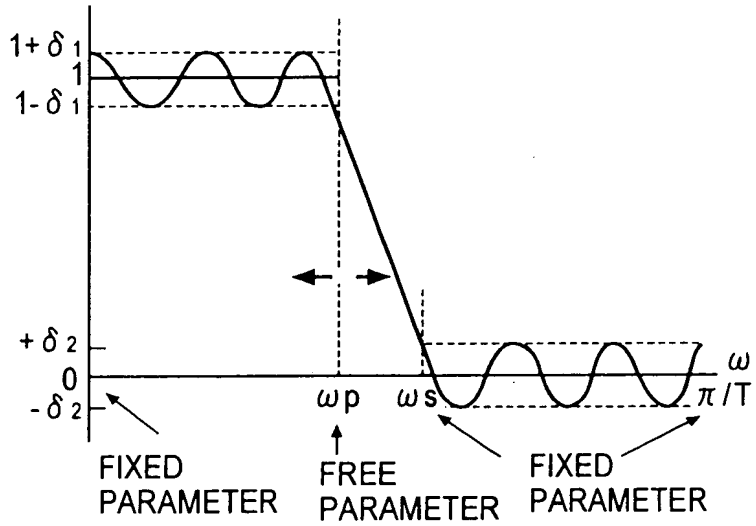


FIG.13

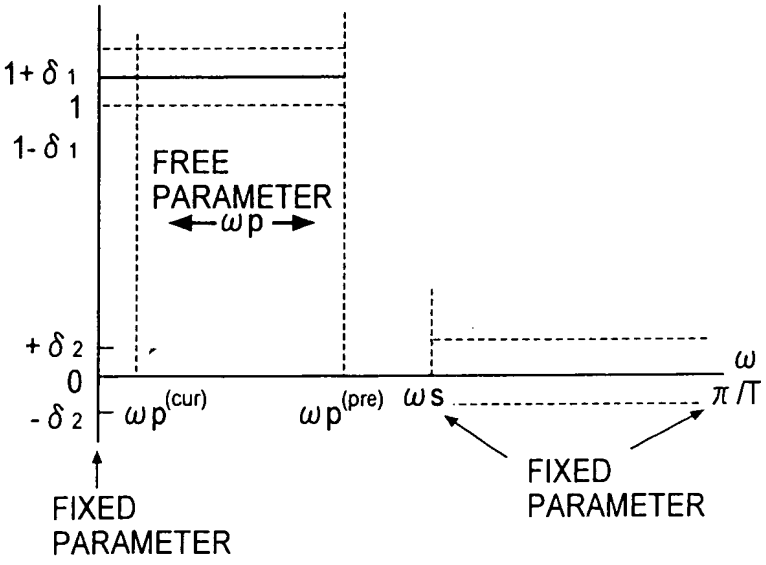


FIG.14A

BOTH SATISFY
→END

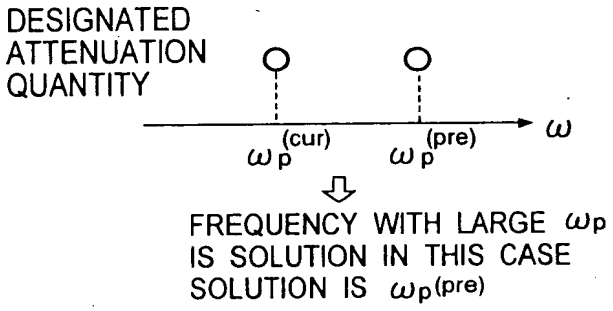


FIG.14B

BOTH DO NOT SATISFY
→NO SOLUTION→END

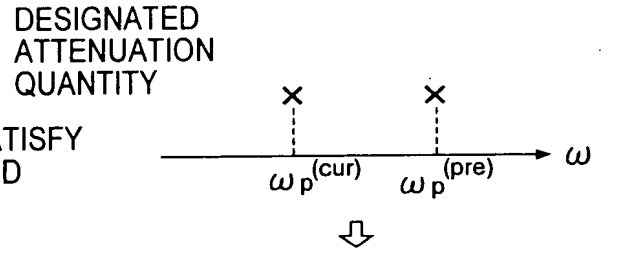


FIG.14C

ONLY ONE SIDE
SATISFIES
→FOR NEXT STEP

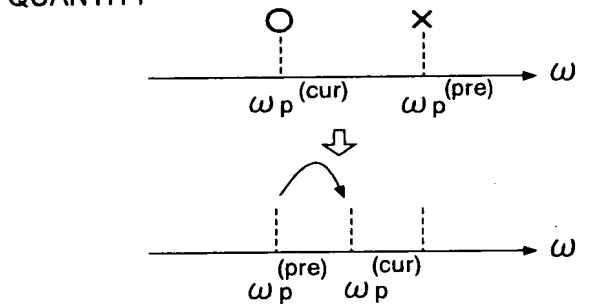


FIG.15A

ONLY ONE SIDE SATISFIES
→FOR NEXT STEP

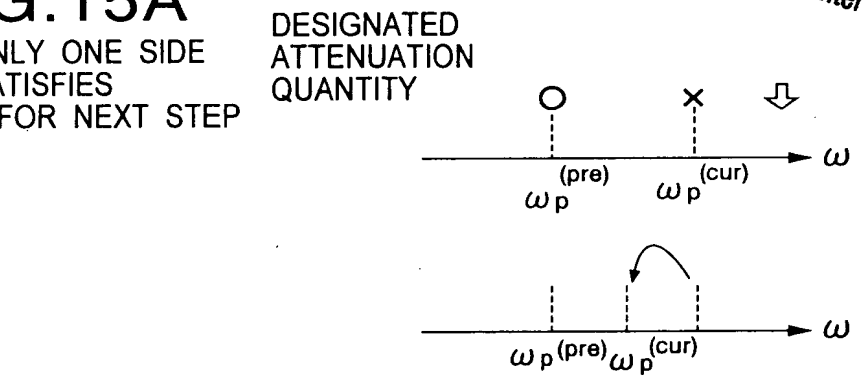


FIG.15B

BOTH SATISFY
→FOR NEXT STEP

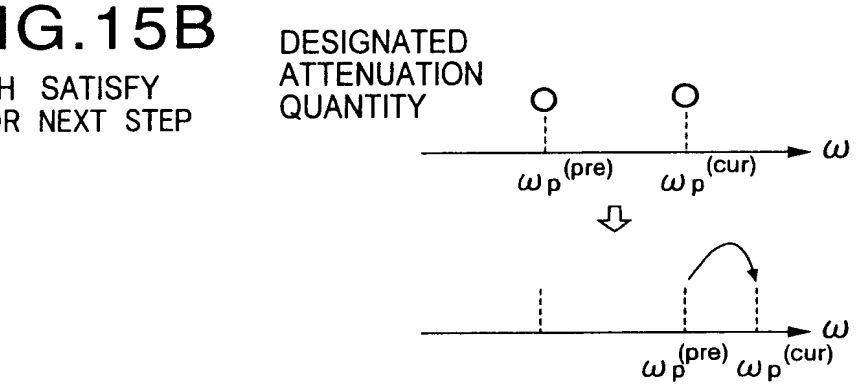


FIG.16

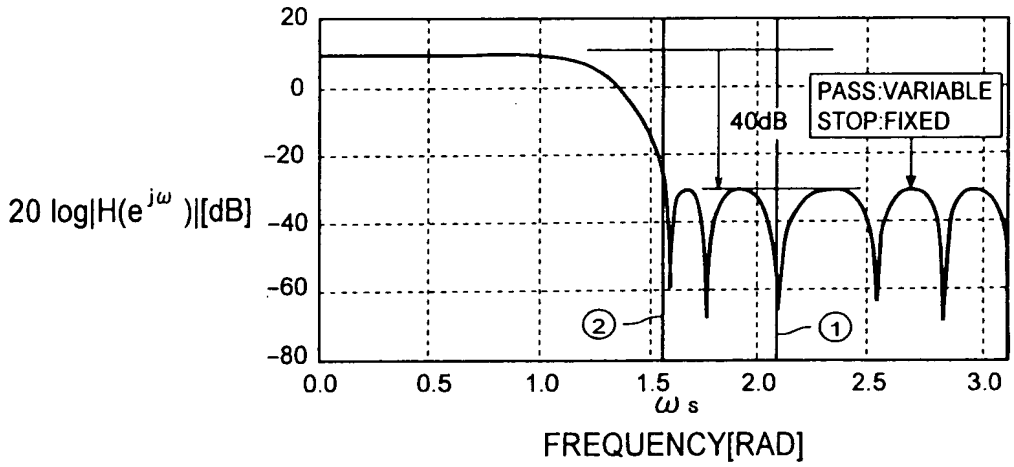


FIG.17

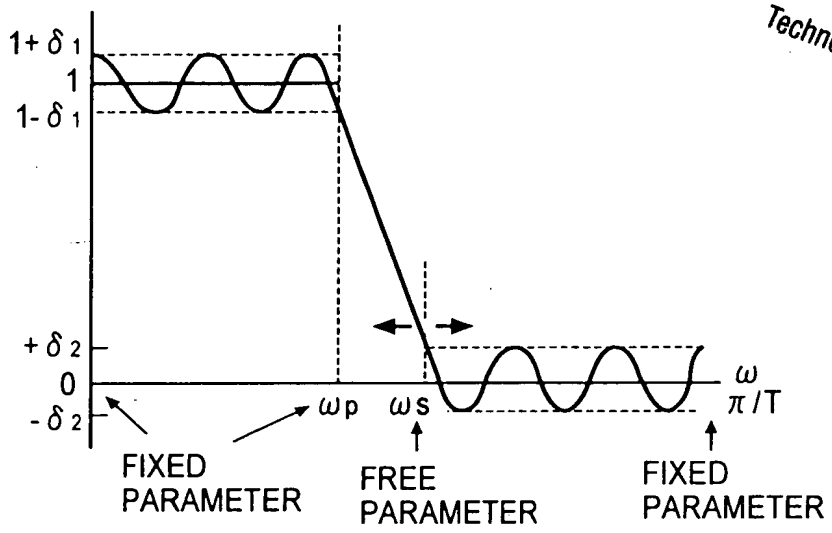


FIG.18

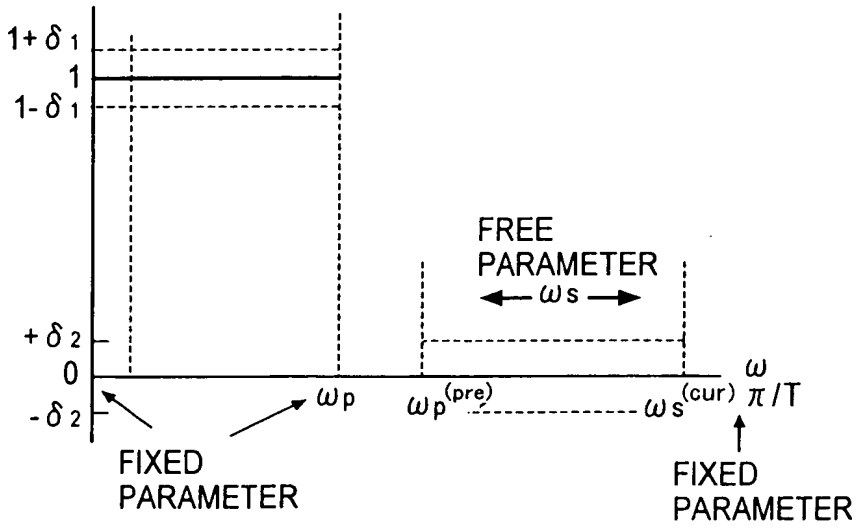


FIG.19A
BOTH SATISFY
→END

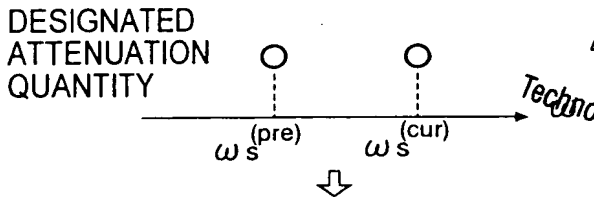


FIG.19B
BOTH DO NOT SATISFY
→NO SOLUTION→END

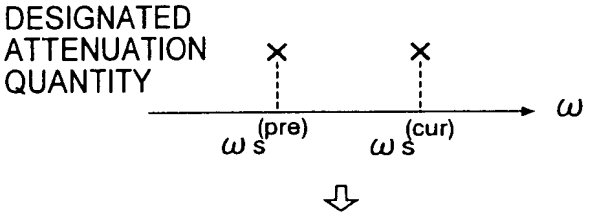


FIG.19C
ONLY ONE SIDE
SATISFIES
→FOR NEXT STEP

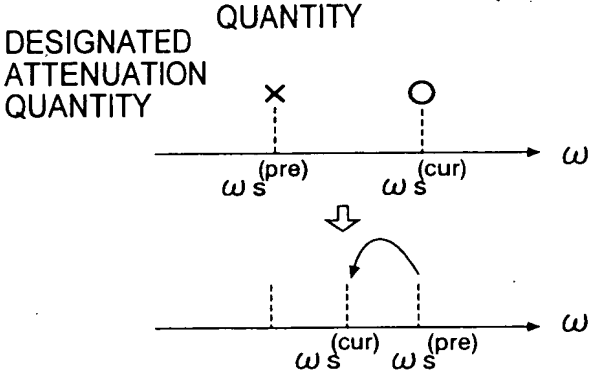


FIG.20A

ONLY ONE SIDE SATISFIES
→FOR NEXT STEP

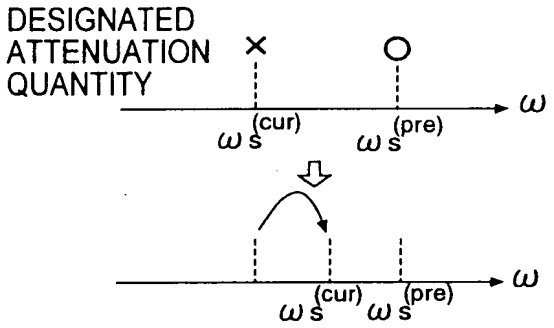


FIG.20B

BOTH SATISFY
→FOR NEXT STEP

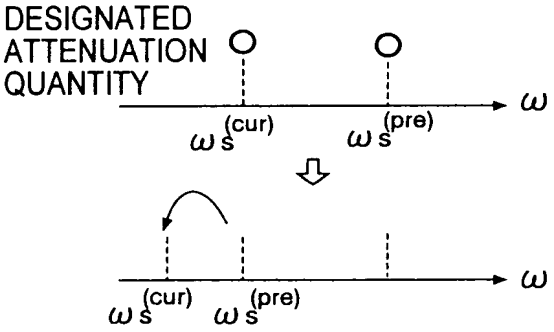


FIG.21

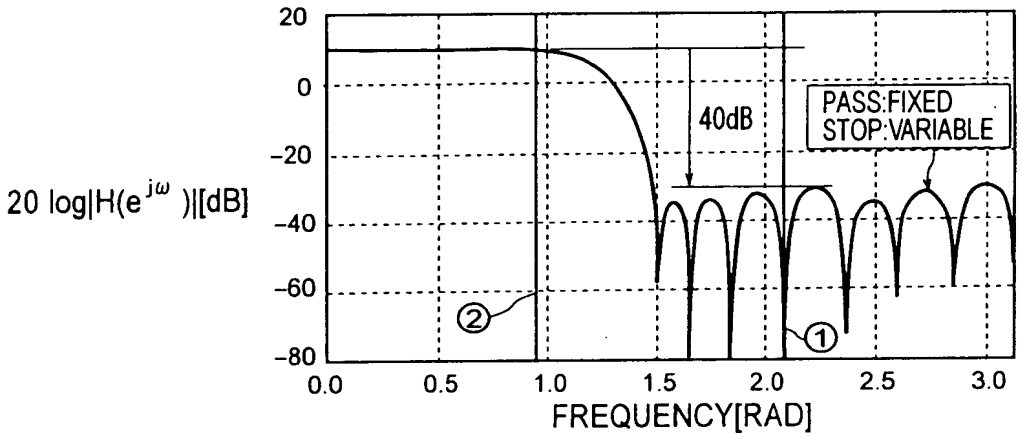


FIG.22

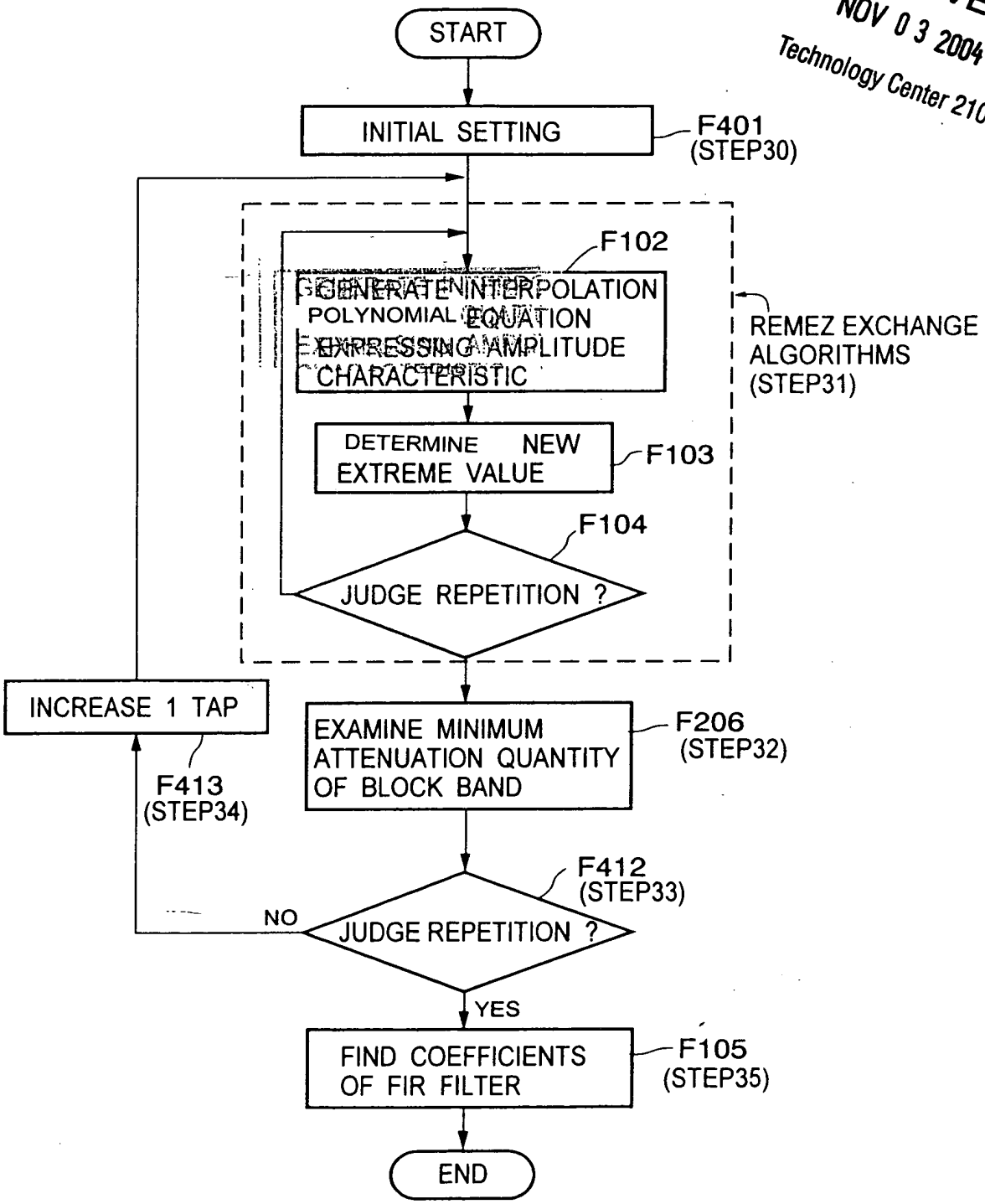


FIG.23

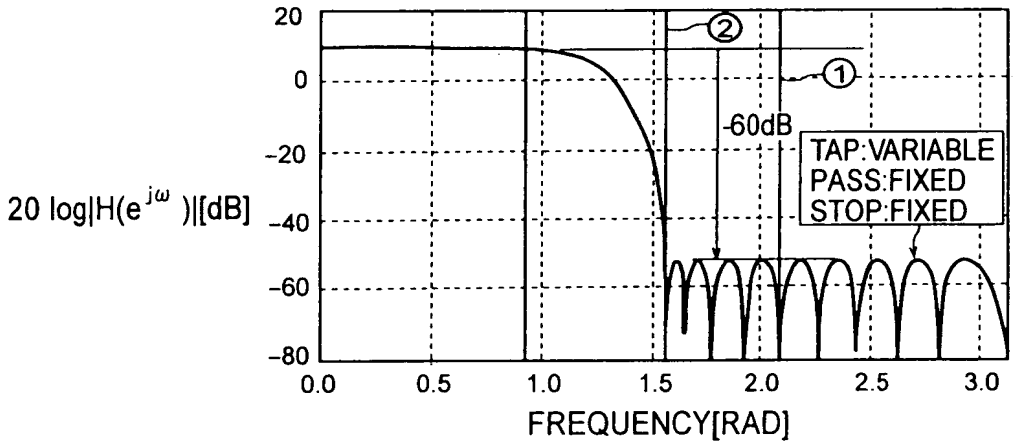


FIG.24

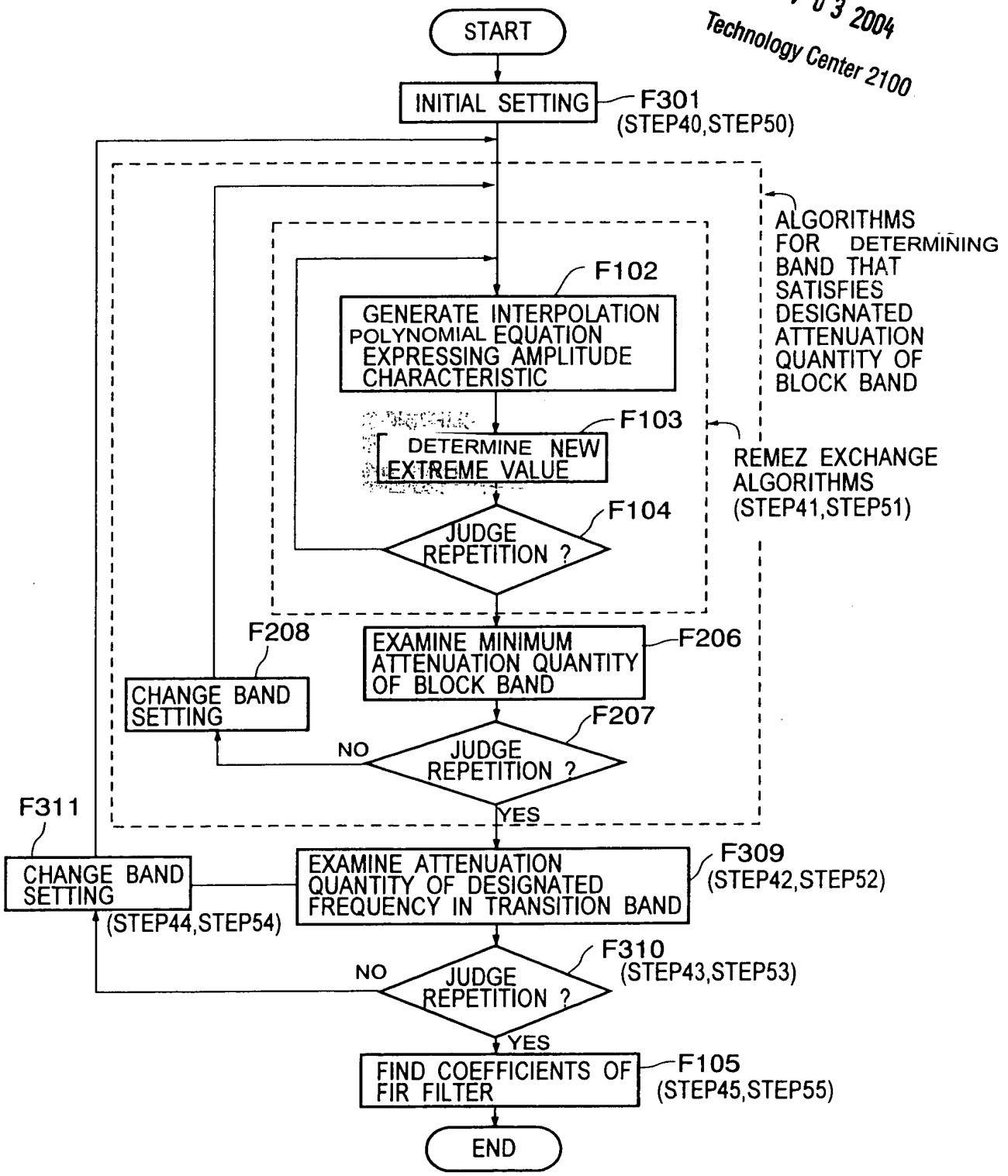


FIG.25

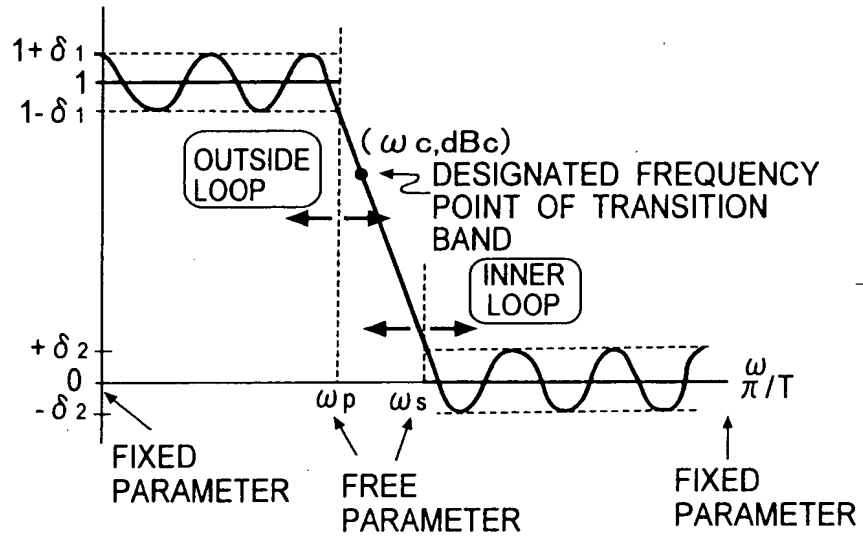


FIG.26

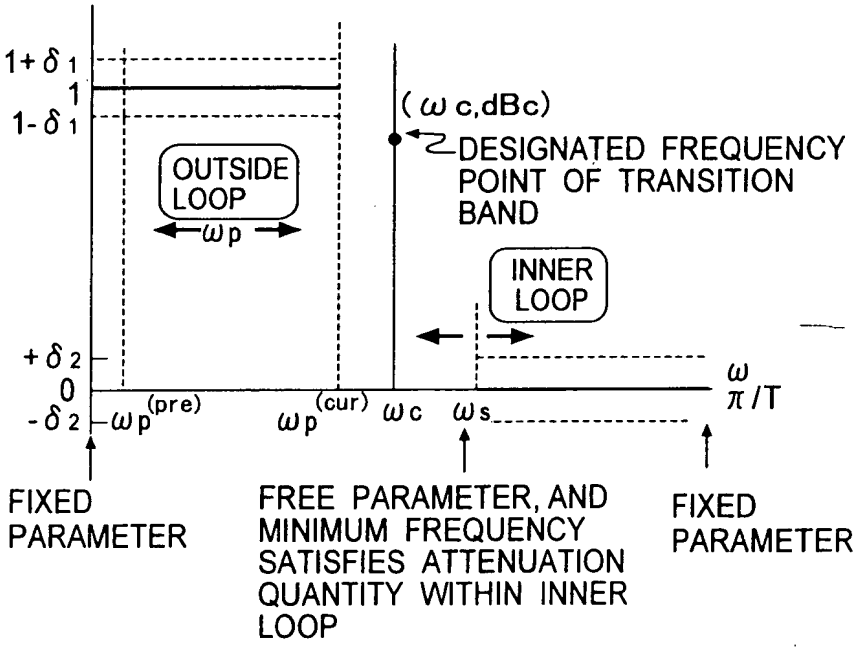
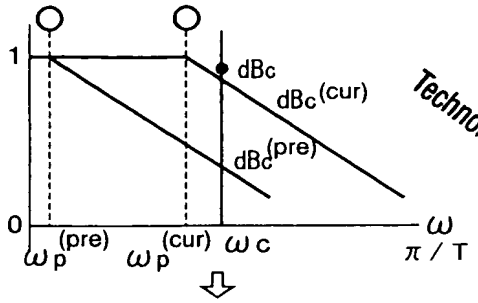


FIG.27A

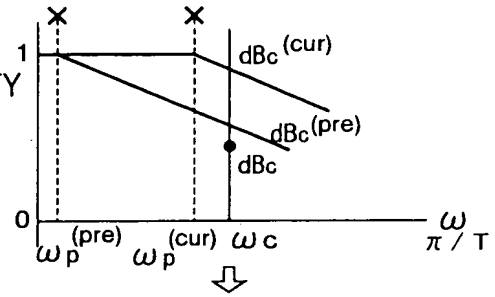
BOTH SATISFY
→END



FREQUENCY WITH LARGE ωp
IS SOLUTION IN THIS CASE
SOLUTION IS ωp(cur)

FIG.27B

BOTH DO NOT SATISFY
→NO SOLUTION→END



NO SOLUTION IN THE NUMBER OF TAPS
IN THAT IT IS NOT PASSED THROUGH
POINT (ωc, dBc)
OF TRANSITION BAND

FIG.27C

ONLY ONE SIDE
SATISFIES
→FOR NEXT STEP

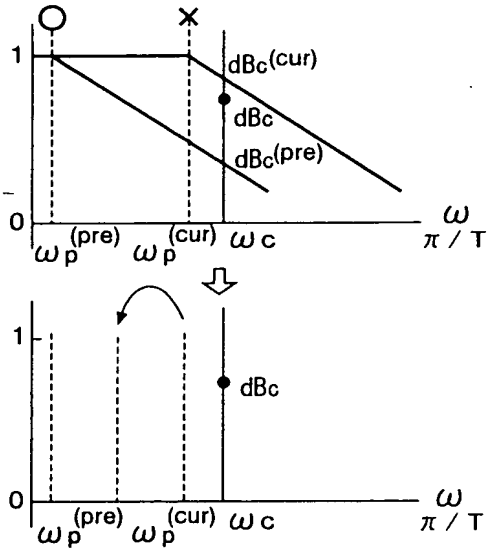


FIG.28A

ONLY ONE SIDE SATISFIES →FOR NEXT STEP

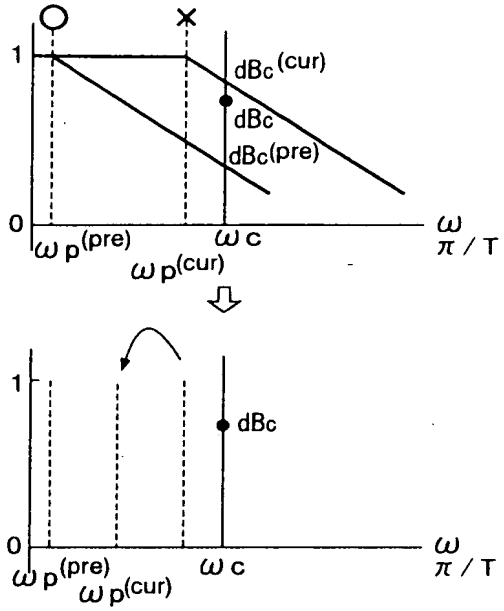


FIG.28B

BOTH SATISFY→FOR NEXT STEP

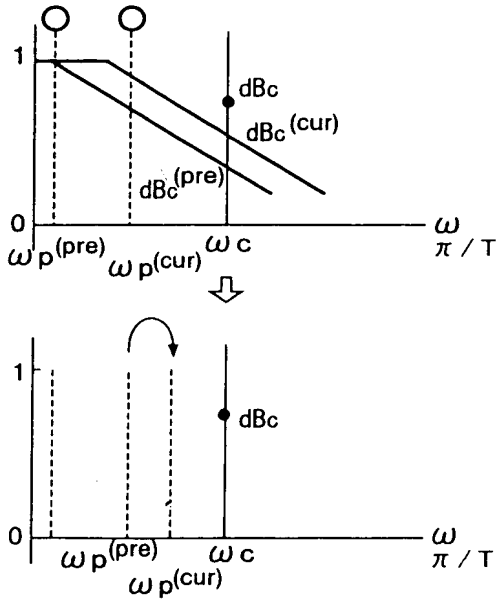


FIG.29

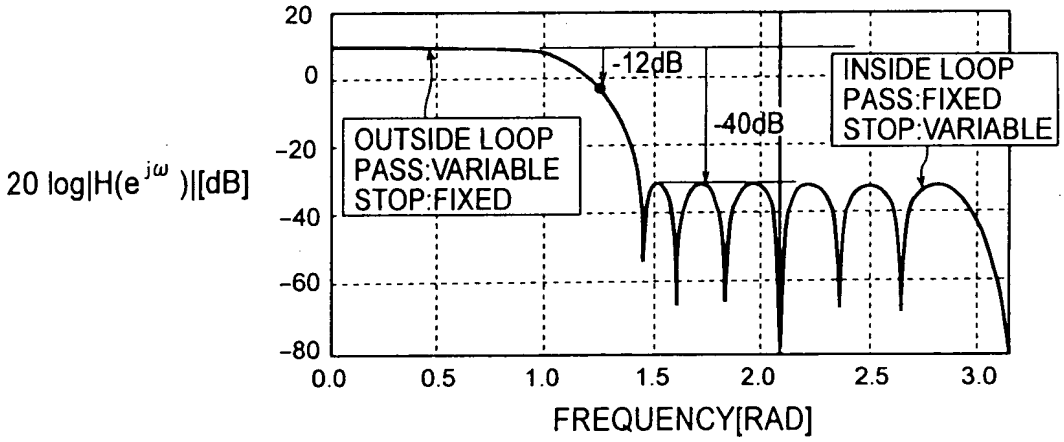


FIG.30

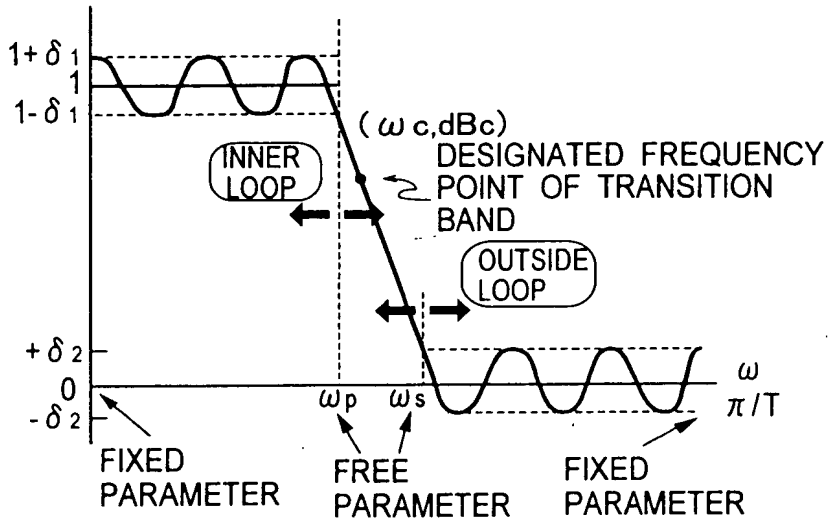


FIG.31

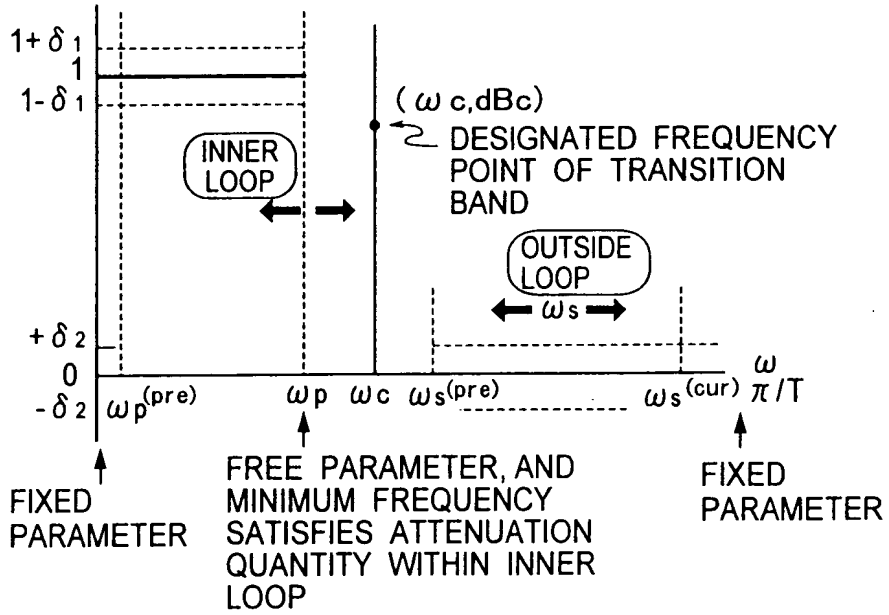
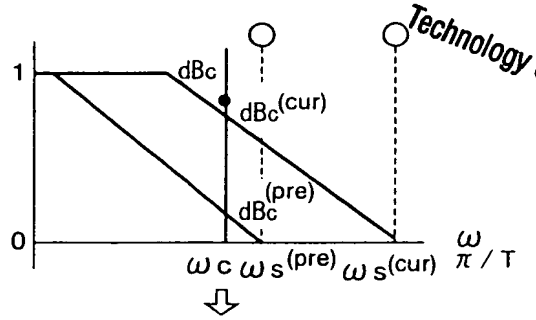


FIG.32A

BOTH SATISFY
→END

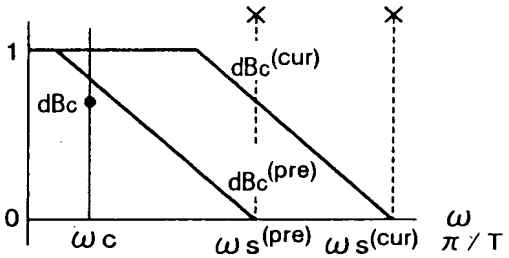


⇩

FREQUENCY WITH LARGE ωs
IS SOLUTION IN THIS CASE
SOLUTION IS ωs (cur)

FIG.32B

BOTH DO NOT SATISFY
→NO SOLUTION→END

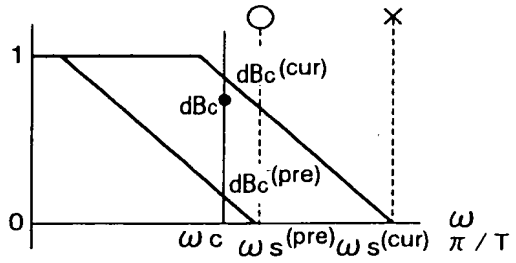


⇩

NO SOLUTION IN THE NUMBER
OF TAPS IN THAT IT IS NOT
PASSED THROUGH FREQUENCY
OF TRANSITION BAND

FIG.32C

ONLY ONE SIDE
SATISFIES
→FOR NEXT STEP



⇩

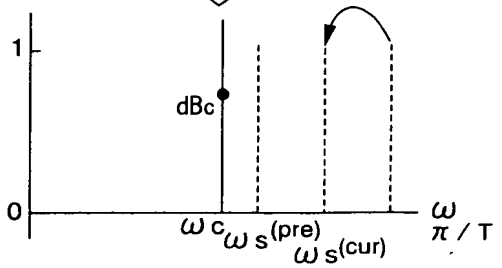


FIG.33A

ONLY ONE SIDE SATISFIES
→FOR NEXT STEP

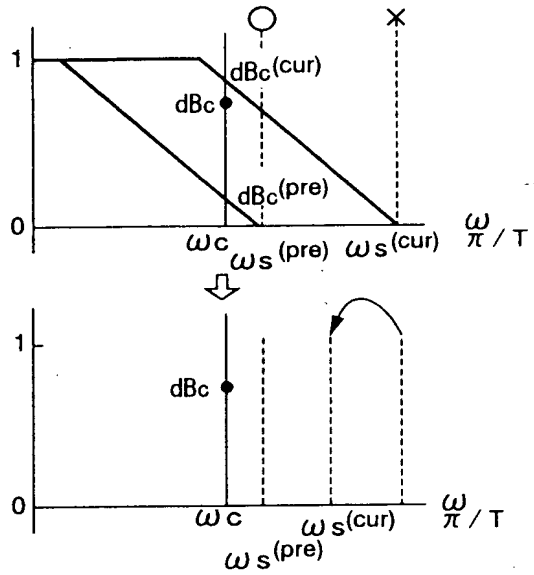


FIG.33B

BOTH SATISFY
→FOR NEXT STEP

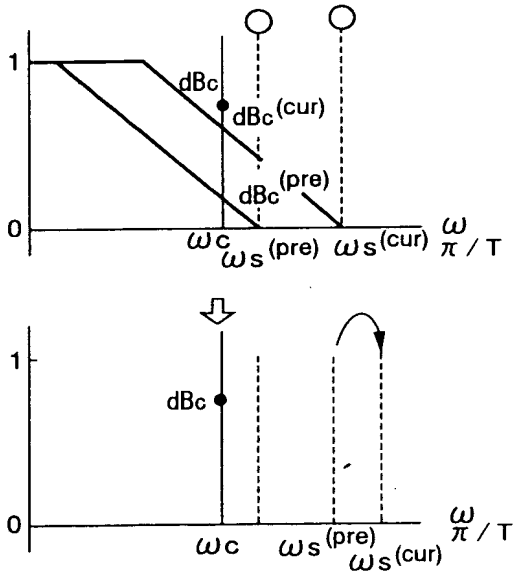
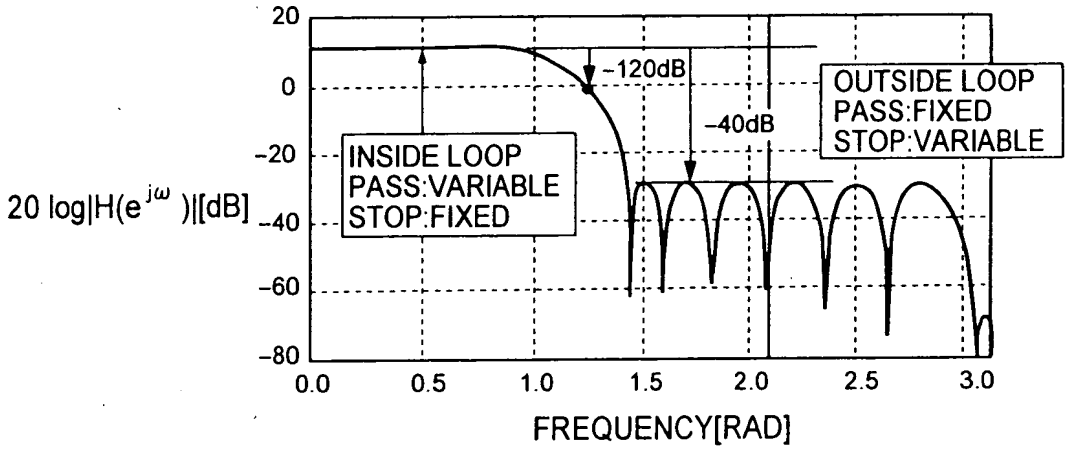


FIG.34



REPLACEMENT

FIG.35

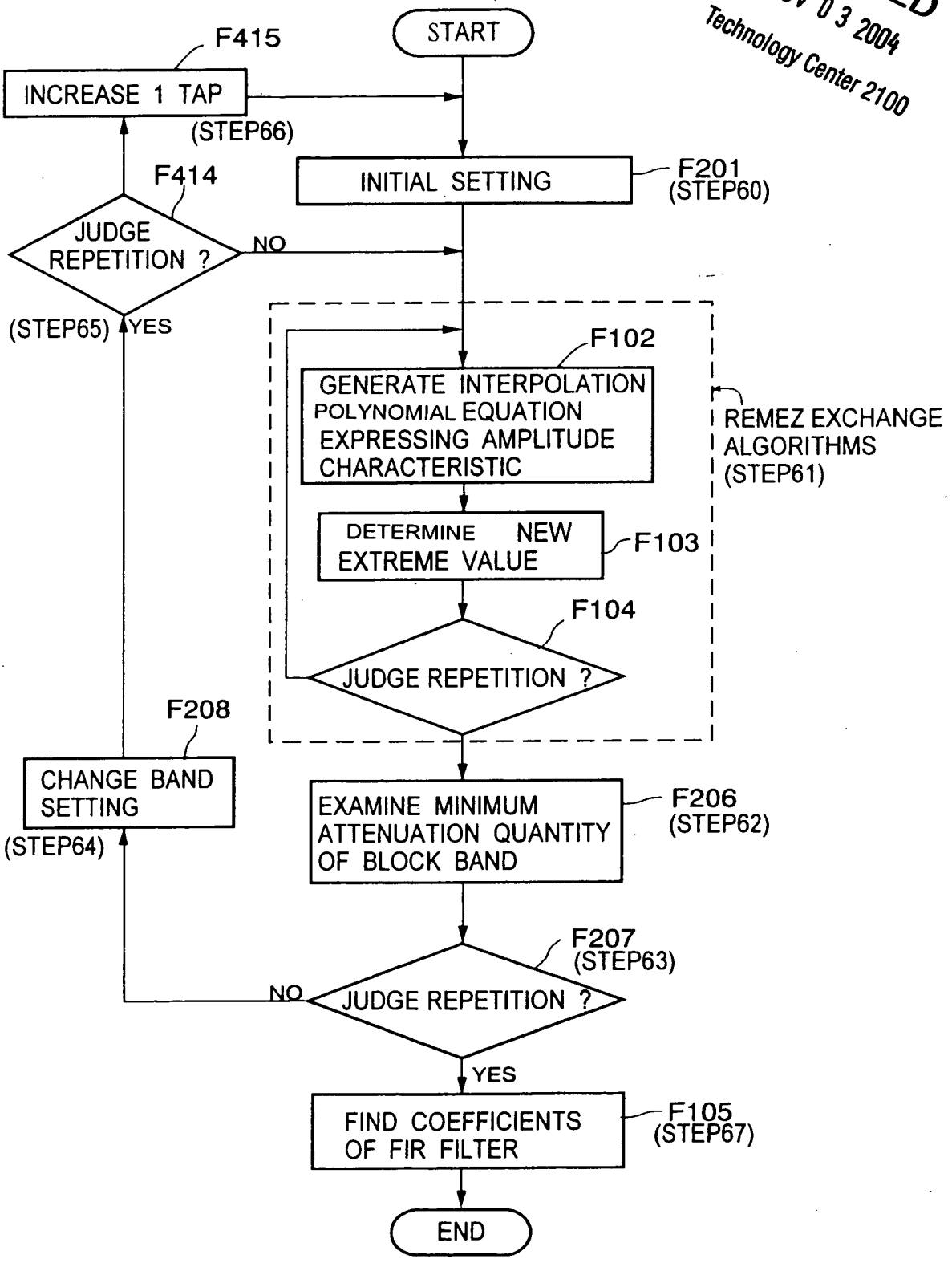


FIG.36

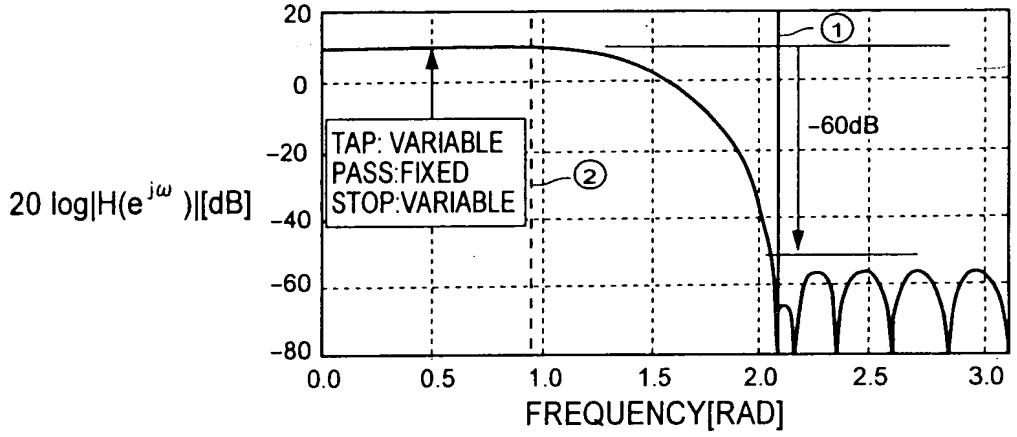


FIG.37

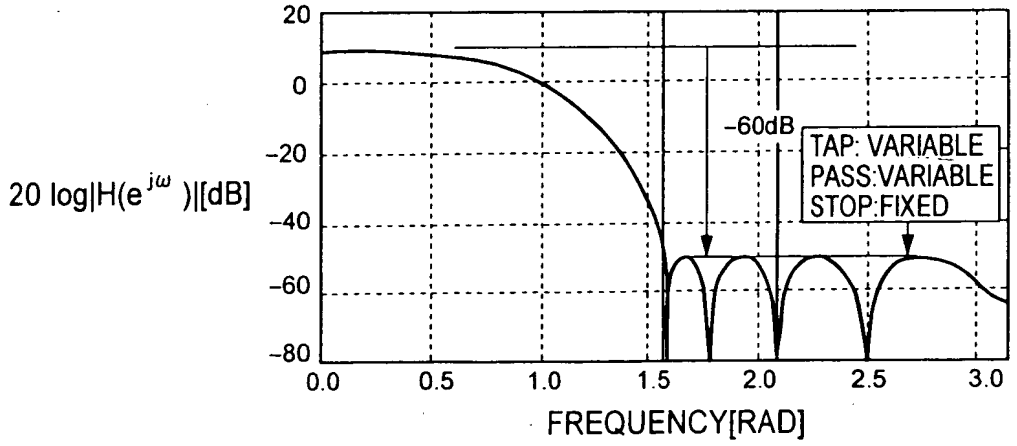


FIG.38

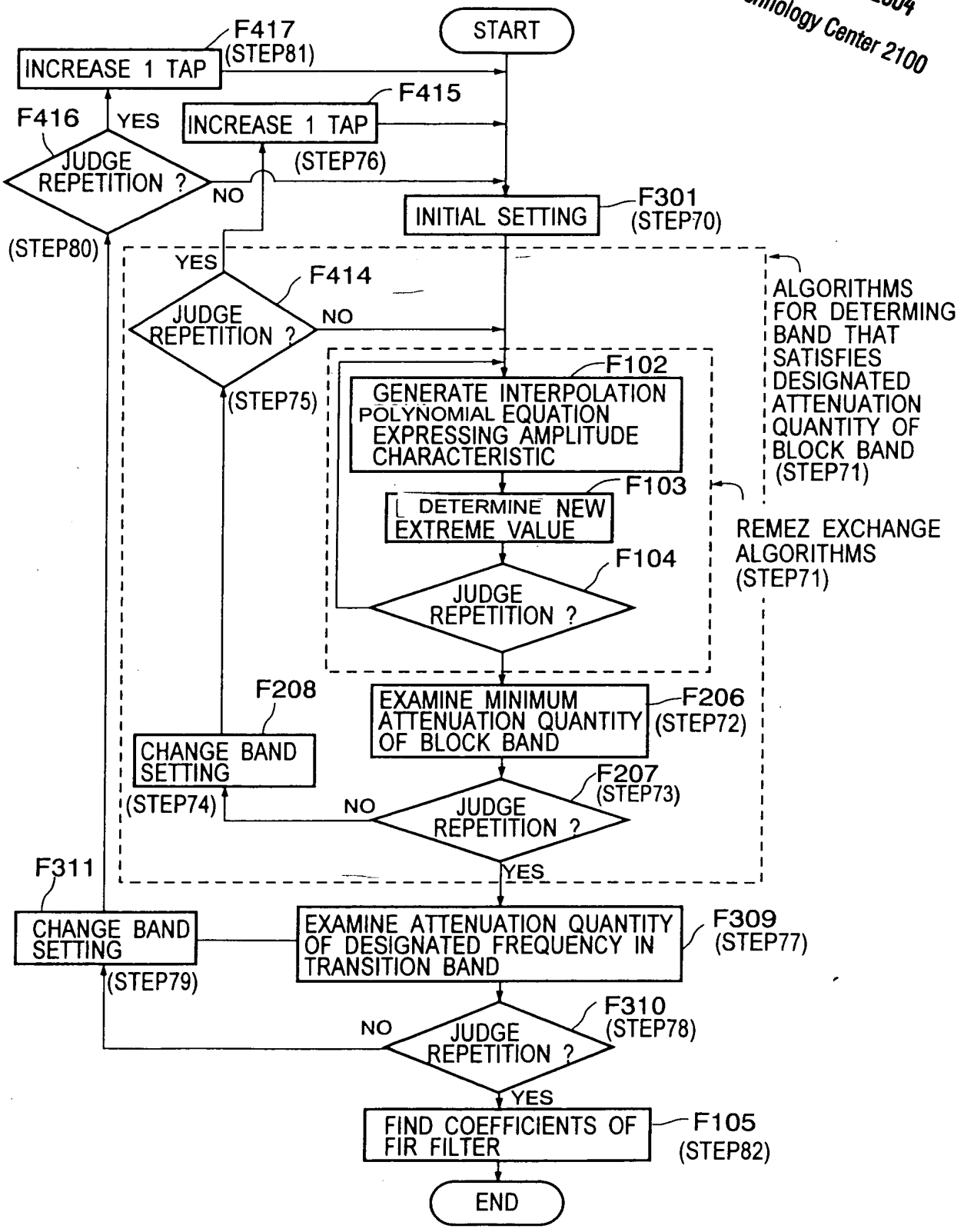


FIG.39